

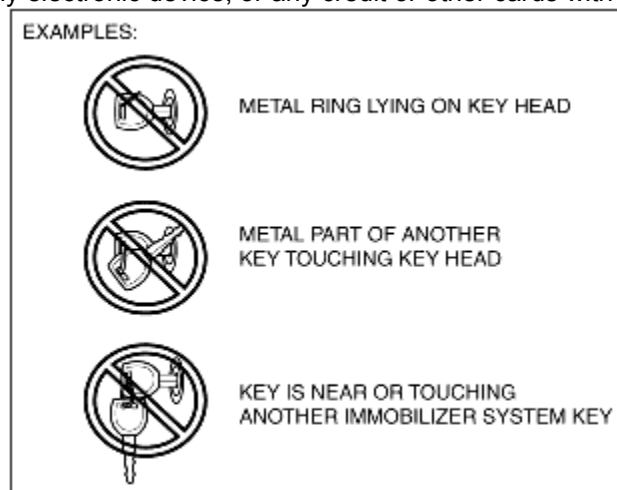
IMMOBILIZER SYSTEM OUTLINE

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- The immobilizer system is a vehicle theft prevention device that only allows keys that have previously been registered to the vehicle to start the engine. Therefore, it functions to prevent theft by means such as a forged key or electrical 'hotwiring'.
- Consists of the key (with built-in transponder), coil antenna, PCM, instrument cluster and security light (in the instrument cluster).
- The immobilizer system operates automatically when the ignition switch is turned to the LOCK or ACC position. (The security light illuminates when the immobilizer system is in operation)
- When the ignition switch is turned from the LOCK (or ACC position) to the ON (or START position) with a previously registered key, the release operation begins automatically. The engine is allowed to start only after this operation is successful. (The security light illuminates for **3 s** and then goes out when the immobilizer system has been released.)
- The immobilizer system cannot be deactivated.
- Due to immobilizer system characteristics, the engine cannot be started unless two or more keys are registered. Moreover, when performing "Instrument cluster replacement", "PCM replacement", or "Replacement of all the keys", two or more keys usable with the immobilizer system must be readied.
- A maximum of eight keys can be registered for one vehicle. The PID/data monitor function can be used to verify the number of keys registered for a single vehicle.
- If there is a system malfunction or the immobilizer system is not properly released due to release operation failure, the malfunction location can be verified using the malfunction diagnosis function of the on-board diagnostic system.

Caution

- If any of the following items are touching or near the key head, signal communication between the key and vehicle is negatively affected, resulting in the engine not starting or a key registration error. Do not perform procedures if any of the following items are touching or near the key head.
 - Any metallic object
 - Spare keys or keys for other vehicles equipped with an immobilizer system
 - Any electronic device, or any credit or other cards with magnetic strips



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